

ABSTRACT

5 A jet injector comprising a housing (1) to be  
pressurized and holding a medical drug and which is  
defined by an enclosing periphery wall (3) and a bottom  
wall (4) having an internal surface (5) facing the  
interior of the housing (1) and an opposite external  
10 surface (6). The bottom wall (4) has a through, truncated  
cone-shaped aperture (8) extending between said internal  
(5) and external (6) surfaces and through which said  
medical drug is expelled from the housing (1) and  
transformed into a thin jet stream (18) penetrating the  
15 skin of said person to be treated. An insert (9) having  
an essentially cone-shaped body (10) is arranged to be  
inserted into said housing (1) such that a portion (13)  
of said cone-shaped body (10), the periphery wall (39) of  
which is essentially congruent to the wall (12) of said  
20 aperture (8), is received in said aperture (8). At least  
one passage (7) is established between said portion (13)  
of said cone-shaped body (10) and the aperture wall (12)  
through which the medical drug is expelled from the  
housing (1). The drug then flows along said essentially  
25 cone-shaped body (10) to be delivered from the point (14)  
of the cone-shaped body (10) as a coherent, thin jet  
stream (18).